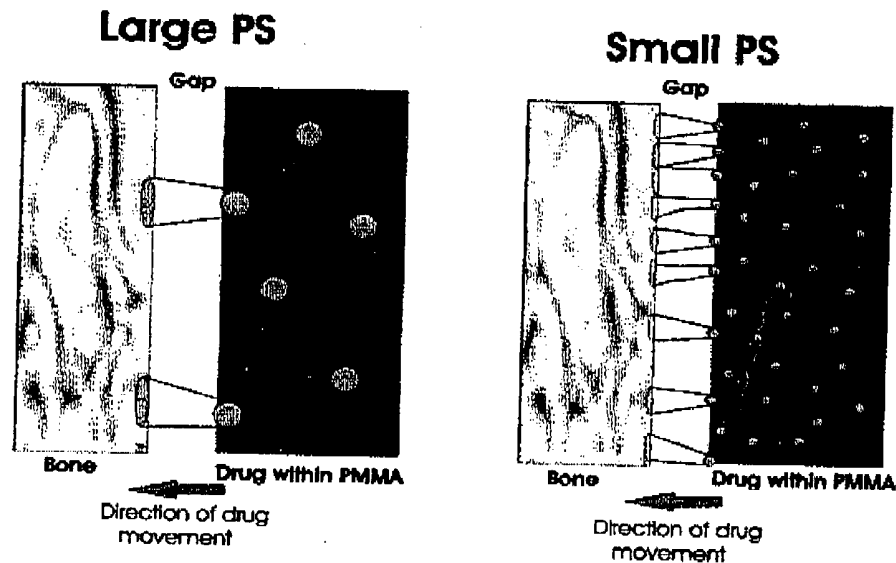


# **Exhibit 1**

## Influence of Particle Size and Binding on Antiresorptive Drug Delivery from PMMA cement



### Notes:

- 1) Only Drug from PMMA surface adjacent to bone will covalently bind directly to bone.
- 2) Uniformity of delivery is dependent upon the number and size of drug particles distributed within PMMA cement.
- 3) Effectiveness of antiresorption drug therapy is directly correlated with coverage of bone surface with drug, i.e. Greater coverage, lower the potential for osteoclastic bone resorption.